CONTENTS OF VOLUME 8

No. 1, Part I. MARCH 1949

Abstracts of Papers in Physiology 1
Abstracts of Papers in Biochemistry 178
Abstracts of Papers in Pharmacology 270
Abstracts of Papers in Pathology 349
Abstracts of Papers in Nutrition 377
Abstracts of Papers in Immunology 400

Part II

Program of Thirty-Third Annual Meeting, Detroit, Michigan, April 1949 417

No. 2. JUNE 1949

Notes on the Detroit Convention of the Federation 509
Corrections of Abstracts in March Issue 510
Joint Session of the Federation, April 19, 1949
- Amino Acid Metabolism in Mutant Strains of Micro-Organisms, *E. L. Tatum* 511
- Viral Multiplication, *Frank L. Horsfall, Jr.* 518
- Physiology of the Individual as an Approach to a More Quantitative Biology of Man, *Ancel Keys* 523
- Some Commentaries on Electron Microscopy as Applied in Biology, *Francis O. Schmitt* 530

American Institute of Nutrition: Symposium on Nutrition in Preventive Medicine
- Nutrition and Dental Caries, *James H. Shaw* 536
- Amino Acid Requirements of Man, *William C. Rose* 546
- Chemical Measurements in Relation to Physical Evidence of Malnutrition, *Grace A. Goldsmith* 553
- Anemias Caused Primarily by Malnutrition, *W. H. Sebrell* 568

American Association of Immunologists: Presidential Address
- Ivory Pawn in the Ivory Tower, *Michael Heidelberger* 579

No. 3. SEPTEMBER 1949

American Society of Biological Chemists: Symposium on Amino Acid Metabolism
- Catalytic Action of the Metal Peptidases, *Emil L. Smith* 581
- Uptake of Labeled Amino Acids by Tissue Proteins in Vitro, *Henry Borsook, Clara L. Deasy, Arie J. Haagen-Smit, Geoffrey Keighley and Peter H. Lowy* 589
- Mechanism of Peptide Bond Formation, *Fritz Lipmann* 597
- Mechanism of Urea Synthesis, *Sarah Ratner* 603

American Institute of Nutrition: Symposium on Nutrition in Preventive Medicine
- Nutrition, Renal Lesions and Hypertension, *Charles H. Best and W. Stanley Hartroft* 610

American Association of Immunologists: Symposium on Mechanisms of Immunity to Viruses
- Distribution of Antibody to Poliomyelitis in Vaccinated and Paralytic Monkeys, *Isabel M. Morgan* 618
- Local Immune Response and Viral Growth Rate as Factors in Immunity to Equine Encephalomyelitis Virus, *R. Walter Schlesinger* 622

844303

Remarks on Cellular Resistance to Mammalian Viruses, *John F. Enders* 625
Inhibition of Some Hemagglutinating Viruses, *S. G. Anderson* 631
Mechanisms of Immunity to Viruses: The Interference Phenomenon, *Werner Henle* 635

No. 4. DECEMBER 1949

Thirty-Fourth Annual Meeting, Atlantic City, New Jersey, 1950 639
Executive Committee 1949–1950 640
Former Executive Committees 640
Federation By-Laws 643
Placement Service 644
American Physiological Society 645
American Society of Biological Chemists 649
American Society for Pharmacology and Experimental Therapeutics 654
American Society for Experimental Pathology 658
American Institute of Nutrition 661
American Association of Immunologists 664
Membership List of All Societies 667
Summary of Membership 745
Deceased Members 745
List of Members by Location 747
Index to Volume 8 759